



## GOAL 1:

# CURRICULUM INTEGRATION

Support the integration of sustainability into current and future curriculum.

## OBJECTIVES

	Year 1	Year 3	Year 5
Develop CSM Sustainability Network as collective of faculty that integrates sustainability projects, activities and experiences into their courses.	Define criteria and actions for success of network.  Develop Sustainability Network website and interdisciplinary Inquiry Group focused on classroom research.  Create tools to operate Network.	Develop talking points about network.  Develop relationships with community partners.  Market the application process to prospective faculty to join the network.	Execute operating plan and recruitment.  Begin creating capstone project/annual workshop in sustainability.  Build a research document (data, metrics, model programs, job information).





## SOCIAL IMPACT

According to the Community College survey of Student Engagement, “active and collaborative learning is linked with higher grader and course completion measures as well as long-term persistence and degree completion” (2007). Persistent collaboration within the CSM campus and greater community would promote student success and other positive outcomes.

## MEASURING AND REPORT SUCCESS

✓ STARS Credits EN 1-9

✓ LEED School as a Teaching Tool Credit



## GOAL 2:

# CAMPUS AND COMMUNITY ENGAGEMENT

Facilitate participation in campus sustainability efforts and awareness of sustainability issues; establish CSM as a cultural center for sustainability and social justice; and influence the behaviors of the campus community so they may embrace and champion sustainability at CSM, in the greater community and in their personal lives.

## OBJECTIVES

	Year 1	Year 3	Year 5
Provide sustainability professional development opportunities; Develop marketing materials for both digital and print media.	Host one event or advertising campaign per year.	Host two events or advertising campaigns per year.	Host 3 or more events or advertising campaigns per year.
Identify courses that may integrate sustainability into the curriculum.	Facilitate one "Campus as a Living Lab" course partnership per year.	Facilitate two "Campus as a Living Lab" course partnerships per year.	Facilitate three or more "Campus as a Living Lab" course partnerships per year.
Partner with CSM Cultural and Learning Communities for sustainability events on campus	Recruit Puente, Umoja, and Mana to all present at the Earth Day Celebration as exhibitors.	Partner with Puente, Umoja, and Mana for Earth Day and at least one other event.	Partner with Puente, Umoja, and Mana for Earth Day and at least two other events.





## SOCIAL IMPACT

Preparing students for a world that increasingly relies on highly sustainable systems will increase their rates of success. Understanding the benefits of sustainability across all sectors and industries will drive society forward as “innovating to zero”, efficient, clean energy, and urbanization are among the top 10 mega trends in the next decade. Education that emphasizes holistic perspectives will foster an inclusive and adaptable campus culture within the College of San Mateo.

## MEASURING AND REPORT SUCCESS

✓ STARS Credits EN 1-9

✓ LEED School as a Teaching Tool Credit



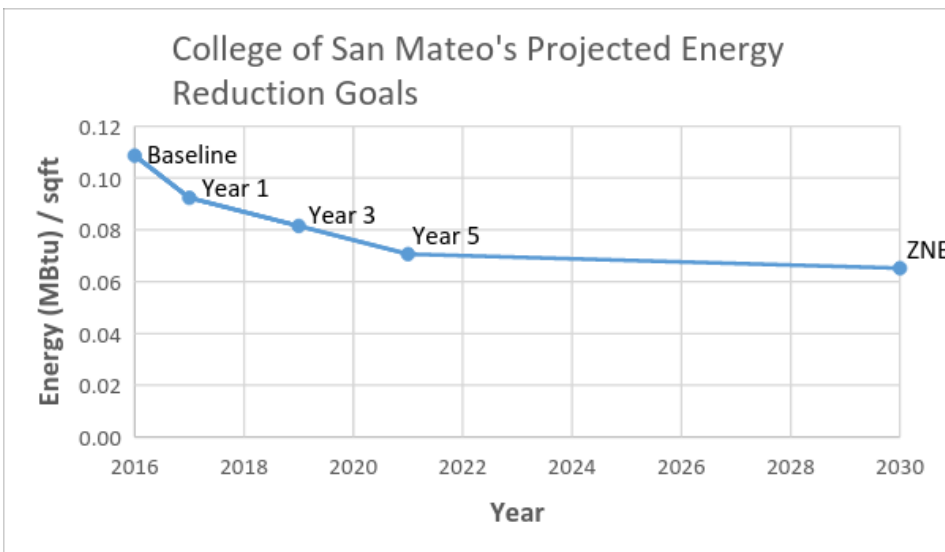
# GOAL 3: ZERO NET ENERGY

Accomplish Net Zero Energy by 2030 by reducing energy consumption and demand. Engage in continuous monitoring of loads and make adjustments while prioritizing safety, security, comfort, and functionality.

## OBJECTIVES

	Year 1	Year 3	Year 5
Benchmark building energy loads.  Create a phased plan and establish a budget for identified improvement opportunities	Reduce Energy Utilization Intensity by 15% per square foot across campus compared to baseline.	Reduce Energy Utilization Intensity by 25% per square foot across campus compared to baseline.	Reduce Energy Utilization Intensity by 35% per square foot across campus compared to baseline.





## SOCIAL IMPACT

According to the International Energy Agency “...energy efficiency has the potential to support economic growth, enhance social development, advance environmental sustainability, ensure energy-system security and help build wealth” (2014). By being as energy efficient as possible, College of San Mateo is supporting a resilient economy and opportunities for the diverse members of our community.

## MEASURING AND REPORT SUCCESS

✓ STARS Ops Points 8 & 9

✓ LEED Energy & Atmosphere Category

✓ Energy Star

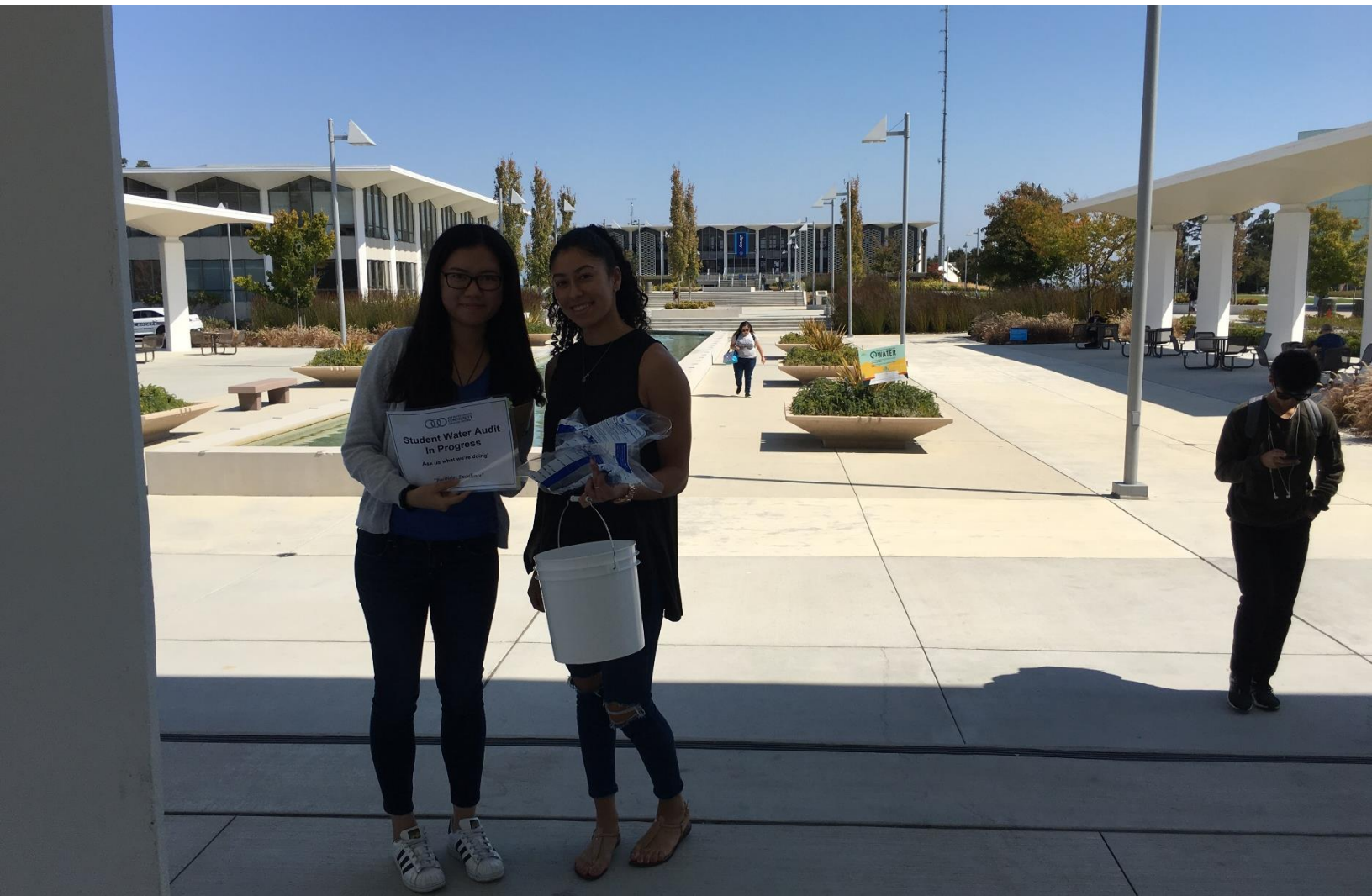


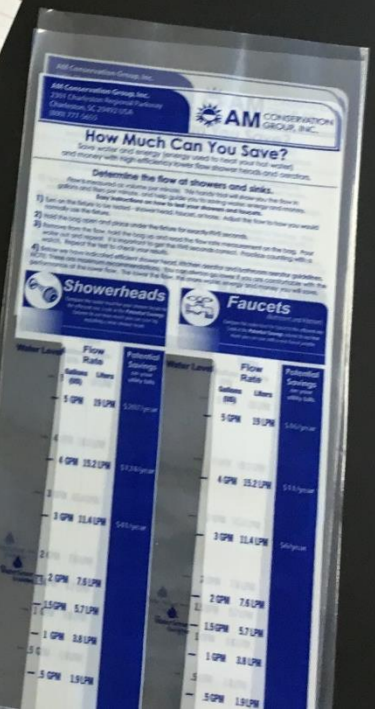
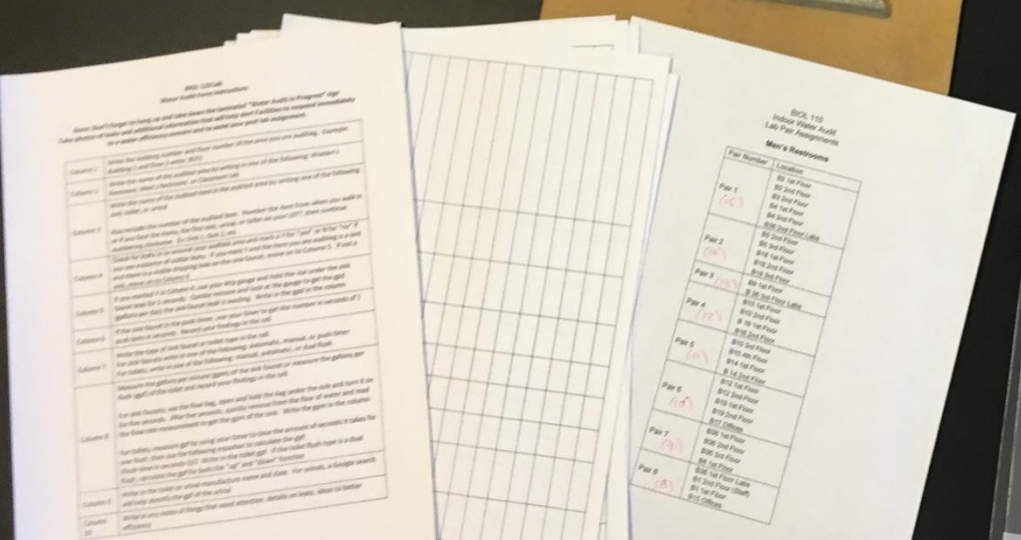
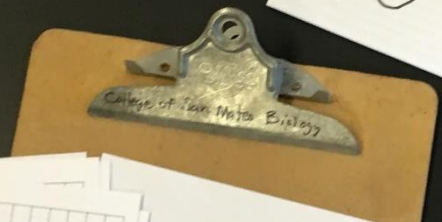
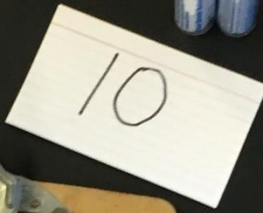
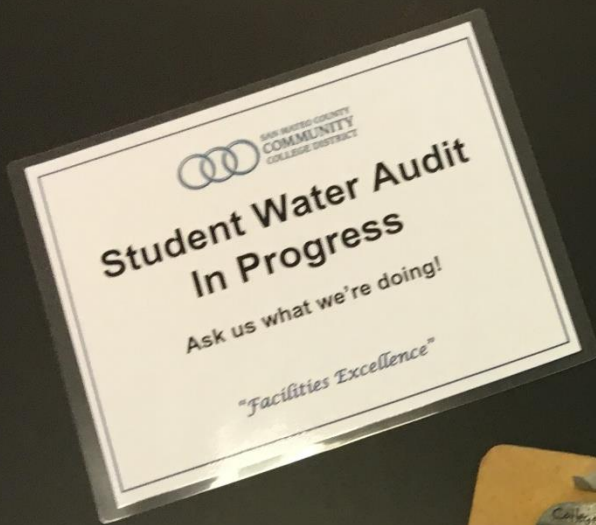
# GOAL 4: WATER SYSTEMS

Reduce freshwater consumption per square foot of building space by 50% by 2025 compared to 2013 baseline.

## OBJECTIVES

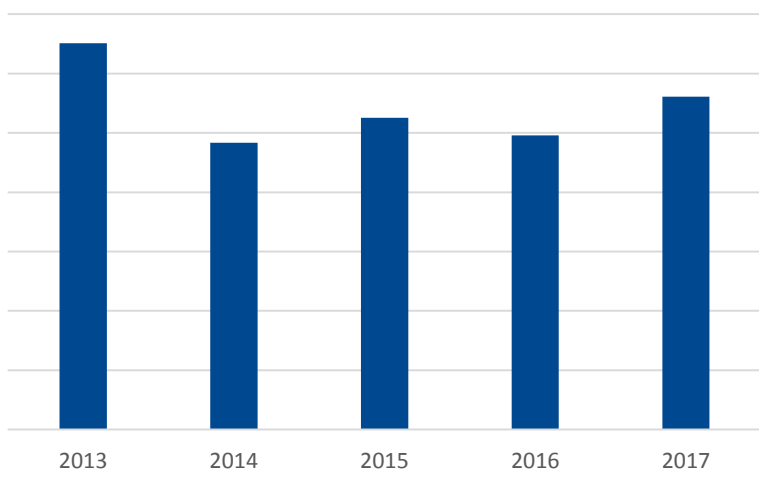
	Year 1	Year 3	Year 5
Maintain constant 25% reduction characteristics compared to 2013 baseline	Reduce water consumption by 30% compared to the 2013 baseline	Reduce water consumption by 40% compared to the 2013 baseline	Reduce water consumption by 40% compared to the 2013 baseline
Normalize per square foot			





## SOCIAL IMPACT

CSM Water Consumption 2013-2017



College of San Mateo is committed to alleviate the economic and ecological risks of water resource availability in the Bay Area. Over the past decade, CSM took early steps to reduce water use through: natural turf replacement on athletic fields, adjusting irrigation schedules, implementing weather-based irrigation controllers, planting of native landscaping, and informational signage. Recently, CSM has taken this one step further by combining water efficiency and curriculum by utilizing the campus as a living lab to conduct water audits and collect a native plant inventory. Students gain hands on experience while identifying water efficiency opportunities for CSM.

## MEASURING AND REPORT SUCCESS

✓ STARS Ops Points 22 and 23

✓ LEED Water Category

✓ Energy Star





# GOAL 5: ZERO WASTE

Accomplish Net Zero Waste by 2025. Engage students, employees, and the community in goal setting, challenges, and accomplishments. Report at established intervals on progress and waste diversion lessons learned.

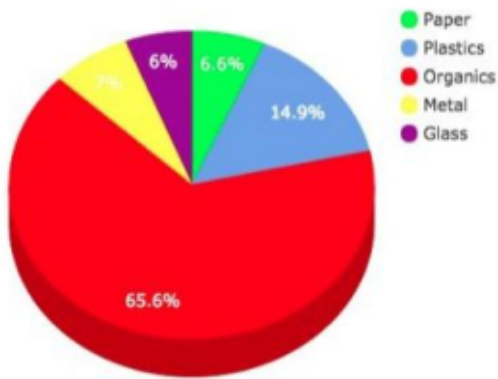
## OBJECTIVES

	Year 1	Year 3	Year 5
Reduce waste production	Establish waste diversion baselines and reduce overall waste by 10%	Reduce overall waste by 15% compared to baseline	Reduce overall waste by 25% compared to baseline
Increase waste diversion	Increase diversion to 75%	Increase diversion to 85%	Increase diversion to 95%





Materials That Could Have Been Diverted from Landfill



TOTAL OF 83 POUNDS COULD HAVE BEEN DIVERTED (82% OF WHAT WAS SORTED!)

## SOCIAL IMPACT

College of San Mateo is committed to doing their part to divert waste hauled to the landfill by offering indoor and outdoor recycling. In compliance with Assembly Bill 1826 (Mandatory Commercial Organics Recycling), starting in Spring 2017 composting will be introduced campus wide. Education and engagement are vital to waste diversion efforts, therefore, CSM students in the Botany Club, Honor's Program, Fine Arts Department, and others are working together to educate the campus community.

## MEASURING AND REPORT SUCCESS

✓ STARS Ops Points 19, 20, 21

✓ LEED Waste Category

✓ Energy Star



## GOAL 6:

# THE BUILT ENVIRONMENT

Enhance learning environments through the use of locally produced, safe, efficient, and environmentally responsible materials and systems. Support interactive and project based learning through Campus as a Living Laboratory approaches. Improve, modify and construct facilities with the future needs of students, staff, faculty and the community in mind while engaging current stakeholders in the planning process.

## OBJECTIVES

	Year 1	Year 3	Year 5
Apply District's design standards to modifications of existing buildings and to all new buildings.	Optimize the design and function of existing systems for comfort, safety, and health.	Partner with USGBC to examine feasibility of LEED O&M Certification for existing buildings (EB).	Assess and apply LEED O&M where feasible and appropriate.
Identify and apply appropriate rating systems and tools to accomplish optimization.			





## SOCIAL IMPACT

Green buildings promote education and serve important economic and social needs. According to a recently conducted scholarly research, rigorous indoor environmental standards achieved 16% higher productivity than non-green offices. LEED buildings also demonstrated greater recruitment and retention rates. By enhancing the built environment, CSM is prioritizing the well-being of our community through improved performance, physical health, and school pride.



## MEASURING AND REPORT SUCCESS

✓ STARS Ops points 3, 4, and 5

✓ LEED O&M: Existing Buildings

✓ Energy Star



# GOAL 7: TRANSPORTATION DEMAND MANAGEMENT

Improve access to campus resources by leveraging low carbon, community-building transportation options such as carpooling, bicycling, public transportation, and electric vehicles. Create infrastructure and partnerships within SMCCCD and with public transportation agencies to facilitate efforts.

## OBJECTIVES

	Year 1	Year 3	Year 5
<p>Benchmark vehicle miles traveled to and from campus</p> <p>Create systems and partnerships to support alternative transportation</p>	<p>Conduct a comprehensive transportation study; create a baseline of Vehicle Miles Traveled (VMT) to campus.</p> <p>Initiate conversations with public transit agencies.</p> <p>Engage staff, students, and the community in goal setting and achievement.</p>	<p>Achieve 5% reduction in single occupancy vehicles (SOV) through Public transit discounts, carpool and rideshare programs, providing incentives for carpooling, and improving distance learning options and accessibility</p> <p>Update transportation study.</p> <p>Apply for grants with public transit agencies.</p>	<p>Implement alternative transportation programs.</p> <p>Achieve a 10% reduction in SOV's.</p>





## SOCIAL IMPACT

Access to educational resources is foundational to the success of CSM's students, faculty and the community at large. By improving transportation options SMCCCD can improve access and accomplish drastic GHG emissions reductions - having a positive impact well beyond the County line.

## MEASURING AND REPORT SUCCESS

✓ STARS Ops Points 15 - 18

✓ LEED Location & Transportation Category

✓ SMCCDD Strategic Plan Goals 1 & 3



# GOAL 8: CLIMATE ACTION

Become a climate neutral campus by 2050. Establish a GHG emissions baseline and set targets for reduction based on stationary and well as mobile emissions categories.

## OBJECTIVES

	Year 1	Year 3	Year 5
GHG emissions inventory	Establish GHG emissions inventory baseline and write CSM Climate Action Plan (CAP)	Update GHG emissions inventory and update CSM CAP Appendixes	Update GHG emissions inventory and update entire CSM CAP
Reduce Emission Sources	Reduce Scope 1, 2, and 3 emissions by 10%	Reduce Scope 1, 2, and 3 emissions by 30%	Reduce Scope 1, 2, and 3 emissions by 50%





## SOCIAL IMPACT



College of San Mateo is committed to doing their part to reduce their carbon footprint and contribute towards combating global climate change. Through the creation of the CSM Climate Action Plan, a greenhouse gas emissions inventory baseline will be established to reduce and monitor Scope 1 (building natural gas and fleet vehicles), Scope 2 (building electricity), and Scope 3 (student and employee commute, solid waste stream, and water usage) emissions. College of San Mateo cannot continue as “business as usual” and will set targets and goals towards decreasing their metric tons of carbon emissions each year. CSM will also educate students and employees through lectures and movie screenings on the challenges and personal opportunities slow down global climate change.

## MEASURING AND REPORT SUCCESS

✓ STARS Ops Points 1 & 2

✓ LEED Air & Climate Category

✓ Energy Star





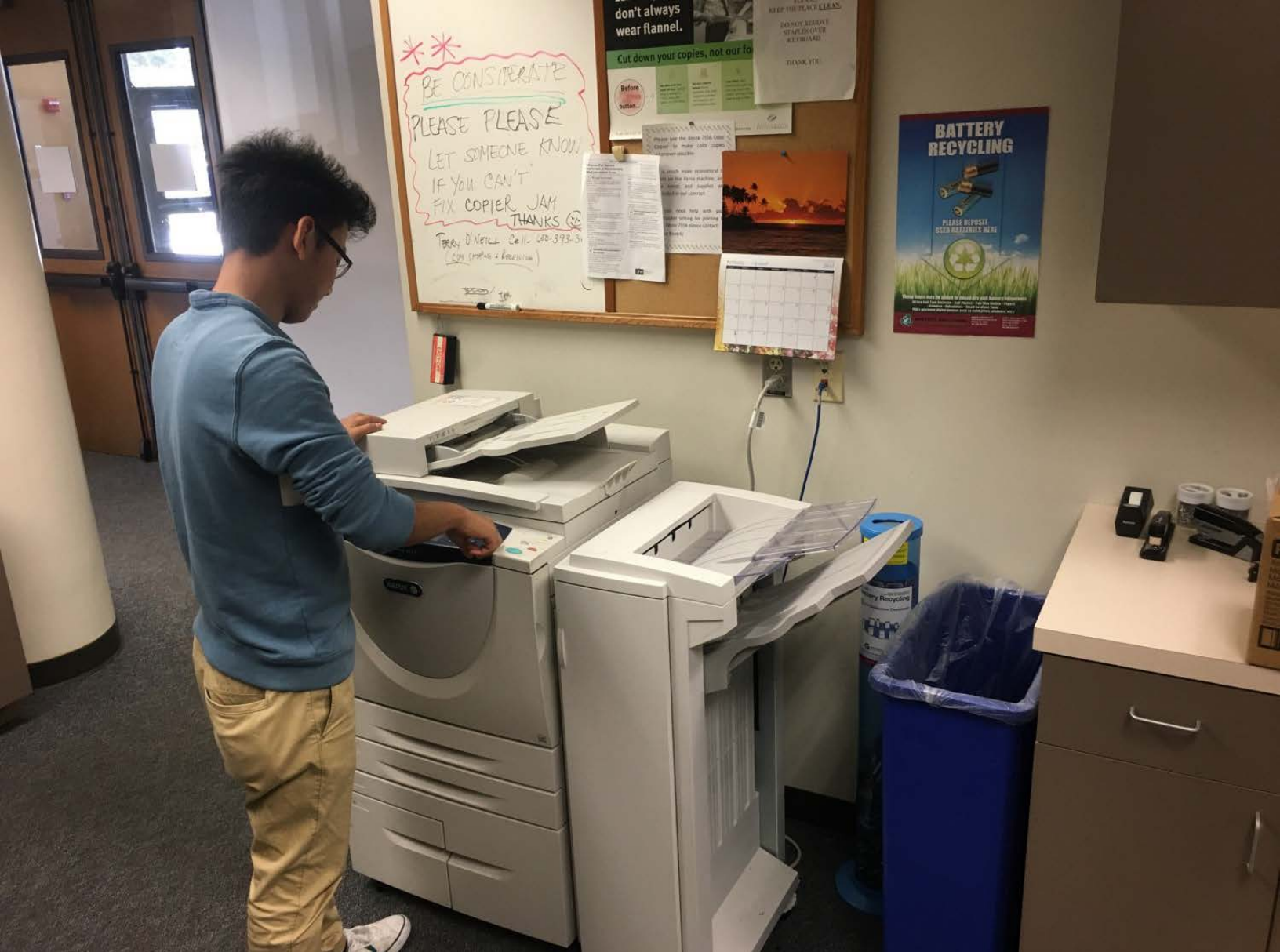
# GOAL 9: SUSTAINABLE PROCUREMENT

Work collaboratively with General Services, Auxiliary Services and others to establish a green purchasing policy and meet incremental goals.

## OBJECTIVES

	Year 1	Year 3	Year 5
Partner with Auxiliary Services and General Services to purchase supplies from organizations that are committed to social responsibility and environmental sustainability	<p>Establish sustainable procurement standards and Year 1 procurement baseline by spring 2018.</p> <p>Work with Auxiliary Services and General Services to plan implementation.</p> <p>Schedule bi-annual sessions to review and update standards.</p>	<p>Increase proportion of purchases from sustainable sources (according to campus standards) by 25% from Year 1 baseline.</p> <p>Establish procurement goals for Year 10 and Year 15.</p>	<p>Increase proportion of purchases from sustainable sources (according to campus standards) by 50% from Year 1 baseline.</p>





## SOCIAL IMPACT

According to the International Journal of Economics and Management Sciences, “sustainable procurement has the potential to cut costs, shorten timescales, enhance stakeholder relationships, increase sales, reduce risks, enhance reputation and improve margins” (2012). By adopting sustainable procurement practices, the College of San Mateo can create resiliency as well as provide leadership for students and the greater campus community.



## MEASURING AND REPORT SUCCESS

✓ STARS Ops Points 11-14